



Dr. Banita Pattnaik

Designation: Faculty in Chemistry

Qualification: M.Sc, PhD

Date of Birth: 27.12.1981

Date of Joining: 01.07.2019

Tel: 09438204493; **Email:** banita.pattnaik82@gmail.com

ORCID: <https://orcid.org/0009-0009-6322-9914>

VIDWAN: <https://vidwan.inflibnet.ac.in/profile/324935>

WOS: <https://www.webofscience.com/wos/author/record/HTN-0792-2023>

Area of Interest

Natural Products Isolation, Characterization, Semi synthetic Derivative preparation, Anti-cancer and Anti- microbial Properties Evaluation.

Courses taught

Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry, Polymer Chemistry, Green Chemistry, Environmental Chemistry.

Career

Faculty in Chemistry (2019-present): Rama Devi Women's University, Bhubaneswar

Teaching Experience

4 years

Research Experience

7 years

Publications and Patents

Patents (Entire list of patents/copyrights etc.)

Patent no.	Patent type	Patent title	Year of filing	Name of Inventor(s)	Status
US 8,748,658,B2	US Patent	Fast Isolation for the Natural Scaffold Ursolic Acid From <i>Diospyros Melanoxylon</i>	June 10 2014	Uppuluri Venkata Mallavadhani, Banita Pattnaik	Granted

Journal publications (Give the entire list of publication in Scopus/SCI-WoS/UGC care only)

1. **Banita Pattnaik**, Jerripothula K Lakshmi, Rachineni Kavitha, Bharatam Jagadeesh, Debanjan Bhattacharjee, Nishant Jain, Uppuluri V. Mallavadhani, Synthesis, structural studies, and cytotoxic evaluation of novel ursolic acid hybrids with capabilities to arrest breast cancer cells in mitosis, **Journal of Asian Natural Products Research**, 2017, **19** (3), 260-271.
2. **Banita Pattnaik**, Vadithe Lakshma Nayak, Sistla Ramakrishna, Uppuluri Venkata Mallavadhani, Synthesis of ring-C modified oleanolic acid derivatives and their cytotoxic evaluation, **Bioorganic Chemistry**, 2016, **68**, 152-158.
3. Uppuluri V. Mallavadhani, **Banita Pattnaik**, Nitasha Suri and Ajit K. Saxena, Novel C-ring Analogs of Ursolic acid: Synthesis and Cytotoxic Evaluation, **Natural Product Communications**, 2014, **9** (12), 1687-1690.
4. Uppuluri V. Mallavadhani, Anita Mahapatra, **Banita Pattnaik**, Nagireddy Vanga, Nitasha Suri, Ajit K. Saxena, Synthesis and anti-cancer activity of some novel C-17 analogs of ursolic and oleanolic acids, **Medicinal Chemistry Research**, 2013, **22**, 1263-1269.
5. Uppuluri Venkata Mallavadhani, Reba Panigrahi, **Banita Pattnaik**, A rapid and highly sensitive UPLC–QTOF MS method for quantitative evaluation of *Nardostachys jatamansi* using Nardin as the marker, **Biomedical Chromatography**, 2011, **25**, 902–907.
6. Jerripothula K Lakshmi, **Banita Pattnaik**, Rachineni Kavitha, Uppuluri V. Mallavadhani, Bharatam Jagadeesh, Conformation of flexibility linked triterpene dimers by using RDC enhanced NMR spectroscopy, **Journal of Molecular Structure**, 2018, **1162**, 26-30.